This Page is Inserted by IFW Indexing and Scanning Operations and is not part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

□ BLACK BORDERS
□ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
□ FADED TEXT OR DRAWING
□ BLURRED OR ILLEGIBLE TEXT OR DRAWING
□ SKEWED/SLANTED IMAGES
□ COLOR OR BLACK AND WHITE PHOTOGRAPHS
□ GRAY SCALE DOCUMENTS
□ LINES OR MARKS ON ORIGINAL DOCUMENT
□ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY

IMAGES ARE BEST AVAILABLE COPY.

OTHER:

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.

			DB	Time stamp
L Number	Hits	Search Text	USPAT;	2004/07/29 14:01
-	98	714/\$.ccls. and (failure or fault) same	US-PGPUB	2004/01/23 14:01
		((alternate or different) adj path)		2004/09/02 09.39
- 1	38	puente.xa.	USPAT;	2004/08/02 08:38
			US-PGPUB	0.004/0.0/0.0 10 14
_	1	"6119244".PN.	USPAT	2004/08/02 10:14
_	1	"6112249".PN.	USPAT	2004/07/29 14:07
_	1	"5757642".PN.	USPAT	2004/07/29 14:08
_	1	"5764920".PN.	USPAT	2004/07/29 14:08
_	1	"6393483".PN.	USPAT	2004/07/29 14:09
_	248	diagnostic same failure with ((NIC or	USPAT;	2004/07/29 15:41
_	240	(network adj interface)) or (switch\$3 or	US-PGPUB	
		hub or router))		l
i _	453	diagnostic same ((failure or error) with	USPAT;	2004/07/29 15:15
		((NIC or (network adj interface)) or	US-PGPUB	
		(switch\$3 or hub or router)))	USPAT;	2004/07/29 15:15
-	439	diagnostic same ((failure or error) with	·	2004/07/29 13.13
		(switch\$3 or hub or router))	US-PGPUB	0004/07/00 15:30
_	15	diagnostic same ((failure or error) with	USPAT;	2004/07/29 15:38
		(NIC or (network adj interface)))	US-PGPUB	
1 _	355	jewett.in.	USPAT;	2004/07/29 15:38
			US-PGPUB	j
_	15	redundant and jewett.in.	USPAT;	2004/07/29 15:41
			US-PGPUB	
1	2	(source adj3 (fault or failure or error))	USPAT;	2004/07/29 16:34
_	2	with (NIC or (network adj interface))	US-PGPUB	
		WICH (NIC OF (Herwork and Interface))	USPAT;	2004/07/29 16:34
-	656	(source adj3 (fault or failure or error))	US-PGPUB	2001/0//25 10:54
		with (switch\$3 or hub or router)		2004/07/29 16:36
	35		USPAT;	2004/07/29 10:30
		failure or error)) with (switch\$3 or hub	US-PGPUB	
		or router)		
	21	(determ\$5 adj3 source adj3 (fault or	USPAT;	2004/07/30 09:16
		failure or error)) same network	US-PGPUB	
_	165		USPAT;	2004/07/30 13:22
	103	same (failure or fault or error) same	US-PGPUB	
		network) and (switch or hub or router) and		
		((network adj interface) or NIC)		
	242	((network ad) interface, or Nic)	USPAT;	2004/07/30 11:31
_	343	((diagnostic) same (failure or fault or	US-PGPUB	2001/0//30 11:31
		error) same network) and (switch or hub or	03-FGF0B	
		router) and ((network adj interface) or		
		NIC)		2004/07/20 12-22
_	438	714/4.ccls. and (diagnostic or test\$3)	USPAT;	2004/07/30 13:23
			US-PGPUB	
_	825	714/25.ccls.	USPAT;	2004/07/30 16:04
			US-PGPUB	
_	45	714/\$.ccls. and ((general or special) adj	USPAT;	2004/07/30 16:08
		purpose adj computer) and (storage and CPU	US-PGPUB	
		and printer and file)		
	1 2	714/\$.ccls. and ((general or special) adj	USPAT;	2004/07/30 16:42
-	13	purpose adj computer) with print\$3	US-PGPUB	
	_	purpose au computer/ with printers	USPAT;	2004/07/30 16:42
-	0	6119244.pn. and heartbeat	US-PGPUB	2001/01/00 10:12
			USPAT;	2004/08/02 08:39
_	295	714/\$.ccls. and network and heartbeat)	2004/00/02 00:39
			US-PGPUB	2004/09/02 10:15
-	1593	(first and second and third) adj link	USPAT	2004/08/02 10:15
_	10		USPAT	2004/08/02 10:25
,		third) adj link)		
1 -	0		USPAT	2004/08/02 10:25
		pluraliyy)		
_	59		USPAT	2004/08/02 14:12
1		plurality)		
	1	1 *	USPAT	2004/08/02 14:21
_	1		USPAT	2004/08/02 14:21
-	0		USPAT;	2004/08/02 14:21
-	1	"09/956,404"	US-PGPUB	2004,00,02 14.31
		7.777		2004/08/02 14:45
-	1	6701449.pn. and LAN	USPAT;	2004/00/02 14:45
	1		US-PGPUB	0004/00/00 11 55
_	1	6701449.pn. and remote	USPAT;	2004/08/02 14:50
			US-PGPUB	1
_	2	heartbeat same (plurality adj computers)	USPAT; US-PGPUB	2004/08/02 14:51

	•			222 100 100 11 50
-	3	heartbeat same (plurality adj3 computers)	USPAT; US-PGPUB	2004/08/02 14:53
_	1	714/\$.ccls. and heartbeat same WAN	USPAT; US-PGPUB	2004/08/02 15:30
_	767	heartbeat same network	USPAT; US-PGPUB	2004/08/02 15:34
-	9	WAN with failover	USPAT; US-PGPUB	2004/08/02 15:33
-	8	heartbeat same wan	USPAT; US-PGPUB	2004/08/02 15:38
_	41		USPAT	2004/08/02 15:40
_	18	<pre>swap\$4 same heartbeat same network 714/\$.ccls. and (monitor\$3 with heartbeat)</pre>	USPAT USPAT	2004/08/03 10:00 2004/08/03 10:05
	28	same network		2004/08/03 10:06
-	3	714/\$.ccls. and (monitor\$3 with heartbeat) same network same (replac\$3 or swap\$3 or "take over")	USPAT	2004/08/03 10:06
	14		USPAT	2004/08/03 10:11
_	6	heartbeat same (assum\$3 adj master)	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/08/03 10:14
_	65	heartbeat same (slave with master)	IBM_TDB USPAT; US-PGPUB;	2004/08/03 10:23
			EPO; JPO; DERWENT; IBM_TDB	0004/00/02 10:02
_	65	heartbeat same (master with slave)	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/08/03 10:23
-	9	heartbeat same (master with (assum\$3 or becomes or (takes adj over)) with slave)	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2004/08/03 10:24
-	8	recovery same ((primary or master) adj2 (assumes or becomes) adj3 (secondary or standby or backup or "back up" or slave))	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2004/08/03 12:39
_	18	714/\$.ccls. and recovery same heartbeat same ((primary or master) adj3 (secondary or standby or backup or "back up" or slave))	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/08/03 12:52
-	27		IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2004/08/03 14:04
_	68	network same (standby with replac\$3)	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2004/08/03 14:06
_	0	network same (standby adj monitor\$3) same heartbeat	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2004/08/03 14:06
_	10	network same (standby with monitor\$3) same heartbeat	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2004/08/03 14:08
			DERWENT; IBM TDB	

				2004/00/03 14 00
_	23	network same heartbeat same swap\$4	USPAT; US-PGPUB; EPO; JPO;	2004/08/03 14:09
			DERWENT; IBM TDB	
	22	network same ((primary or master or	USPAT;	2004/08/03 15:49
		active) adj3 (recover\$3 or repair\$3) with	US-PGPUB;	
		(secondary or standby or backup or "back	EPO; JPO;	
	1	up" or slave or passive))	DERWENT; IBM TDB	
_	67	(failure or error or fault) same	USPAT;	2004/08/03 15:50
		(monitor\$3 adj heartbeat)	US-PGPUB;	
			EPO; JPO; DERWENT;	
			IBM_TDB	
_	67	((secondary or standby or backup or "back	USPAT;	2004/08/03 16:50
		up" or slave or passive) adj3 (assum\$3 or (take adj over)) adj (master or primary or	US-PGPUB; EPO; JPO;	
		active)) and ((recover\$3 or repaired)	DERWENT;	
		with (master or primary or active))	IBM_TDB	
_	0	((standby or passive) adj monitor\$3 adj	USPAT; US-PGPUB;	2004/08/03 17:02
		(primary or master)) same (heartbeat or periodic)	EPO; JPO;	
		periodicy	DERWENT;	
			IBM_TDB	2004/08/04 09:04
-	11	((standby or passive) with monitor\$3 with (primary or master)) same (heartbeat or	USPAT; US-PGPUB;	2004/08/04 09:04
		periodic)	EPO; JPO;	
			DERWENT;	
	7	(monitor\$3 adj2 heartbeat) same network	IBM_TDB USPAT;	2004/08/04 09:08
-	/	same (standby or passive)	US-PGPUB;	2001/00/01 03:00
			EPO; JPO;	
			DERWENT; IBM TDB	
_	9	(monitor\$3 adj2 (heartbeat or periodic))	USPAT;	2004/08/04 09:09
		same network same (standby or passive or	US-PGPUB;	
		secondary)	EPO; JPO; DERWENT;	
			IBM TDB	,
_	1		USPĀT;	2004/08/04 09:14
		adj area adj network)) same ("stand by" or	US-PGPUB; EPO; JPO;	
		standby or passive or secondary)	DERWENT;	
			IBM_TDB	
-	4		USPAT; US-PGPUB;	2004/08/04 09:14
		same ("stand by" or standby or passive or secondary or slave)) and (WAN or (Wide adj	EPO; JPO;	
		area adj network))	DERWENT;	
	_	P4 4 / 14 10 12 - 13	IBM_TDB USPAT;	2004/08/04 09:17
_	8	714/11,12,13.ccls. and (monitor\$3 adj heartbeat)	US-PGPUB;	2004/00/04 03.1/
			EPO; JPO;	
			DERWENT; IBM TDB	
_	75	(monitor\$3 adj (heartbeat or periodic))	USPAT;	2004/08/04 09:38
	/3	and (WAN or (Wide adj area adj network))	US-PGPUB;	
			EPO; JPO; DERWENT;	
			IBM TDB	
_	56	714/\$.ccls. and (monitor\$3 adj (heartbeat	USPĀT;	2004/08/04 09:38
		or periodic)) and network	US-PGPUB;	
			EPO; JPO; DERWENT;	
			IBM_TDB	
_	30		USPAT	2004/08/04 13:10
-	56	network same ((primary or master or active) adj3 becomes adj3 (secondary or	USPAT; US-PGPUB;	2004/08/04 13:25
		standby or backup or "back up" or slave or	EPO; JPO;	
		passive))	DERWENT;	
			IBM TDB	1

_	1039	network and ((primary or master or active) with (assume or becom\$3) with (secondary or alternate or backup or passive or slave)) and (repair or recovery)	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/08/04 13:43
_	92	network and ((primary or master or active) adj3 (assume or becom\$3) adj3 (secondary or alternate or backup or passive or slave)) and (repair or recovery)	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/04 13:46
-	138	((primary or master or active) adj3 (assume or becom\$3) adj3 (secondary or alternate or backup or passive or slave)) and (repair or recovery)	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/08/04 14:25
-	596	network same (hot with (swap\$4 or standby))	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/08/04 14:26
-	88	714/\$.ccls. and network same (hot with (swap\$4 or standby))	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/08/04 14:26
-	161	(heartbeat or periodic) and network same (hot with (swap\$4 or standby))	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/08/05 09:47
-	3806	(network adj printers)	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2004/08/05 09:49
_	0	714/\$.ccls. and (network adj printer) same heartbeat	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2004/08/05 09:51
_	0	(network adj printer) same heartbeat	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2004/08/05 09:51
_	65	714/\$.ccls. and (network adj printer)	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2004/08/05 09:57
-	0	714/\$.ccls. and (network adj printer) same failover	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2004/08/05 09:52
-	3	714/\$.ccls. and (network adj printer) same backup	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2004/08/05 09:53
-	1	"09/589797"	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2004/08/05 10:01
_	1	"09/989,231" and key	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/08/05 11:37
			IBM TDB	

				•
_	17	"6324161"	USPAT;	2004/08/05 11:37
			US-PGPUB;	
			EPO; JPO;	
1			DERWENT;	
			IBM_TDB	
-	11	714/\$.ccls. and jewett.in.	USPAT	2004/08/05 16:13
-	0	"09/989693"	USPAT	2004/08/05 16:13
_	1	"09/989693"	USPAT;	2004/08/10 09:59
			US-PGPUB	
-	1	6509657.pn.	USPAT;	2004/08/10 10:33
			US-PGPUB	
-	1	"09/859,686"	USPAT;	2004/08/10 10:34
			US-PGPUB	0004/00/10 14 50
-	8	"6038494"	USPAT;	2004/08/10 14:59
			US-PGPUB	2004/00/10 14-54
-	36	·	USPAT	2004/08/18 14:54
		toleran\$3)	II CODAM	2004/00/10 14-55
-	2	(network with printer) same (fault adj	USPAT	2004/08/18 14:55
	2.5	toleran\$3)	ric D a m	2004/09/19 14-55
-	39		USPAT	2004/08/18 14:55
_	110	714/\$.ccls. and (failover with process)	USPAT;	2004/08/24 12:30
			US-PGPUB;	
			EPO; JPO;	
			DERWENT; IBM TDB	
				2004/08/24 12:30
-	44	714/\$.ccls. and transfer\$3 with failed	USPAT; US-PGPUB;	2004/00/24 12:30
		with processes	EPO; JPO;	
			DERWENT;	
			IBM TDB	
		714/\$.ccls. and ((transfer\$3 or failover)	USPAT;	2004/08/24 12:35
_	59		US-PGPUB;	2004/00/24 12:33
		with failed with processes)	EPO; JPO;	
			DERWENT;	
		*	IBM TDB	ļ
	2	09/896959	USPAT;	2004/08/24 13:10
_	2	09/896939	US-PGPUB;	2004/00/24 13:10
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
_	9	(plurality with processes) with failover	USPAT;	2004/08/24 13:25
		(pruruitey with processes) when rules of	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
_	0	(repair\$3 with failed with server) with	USPAT;	2004/08/24 13:26
		reboot\$3	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
1			IBM_TDB	
-	67	((repair\$3 recovery) with fail\$3) with	USPAT;	2004/08/24 13:27
		reboot\$3	US-PGPUB;	
		·	EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	34		USPAT;	2004/08/24 14:26
		restart\$3)	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	0004/00/04 55 55
-	2		USPAT;	2004/08/24 16:49
	1	with (device node) with determin\$3 with	US-PGPUB;	
		(failure fault))	EPO; JPO;	
			DERWENT;	
			IBM_TDB	2004/00/04 16 51
_	8	(attempt\$3 with access\$3 with (device	USPAT;	2004/08/24 16:51
		node) with determin\$3 with (failure	US-PGPUB;	
		fault))	EPO; JPO;	
			DERWENT;	
			IBM TDB	<u> </u>

_	3551	(attempt\$3 with access\$3 with (device node))	USPAT; US-PGPUB;	2004/08/24 16:55
			EPO; JPO; DERWENT; IBM_TDB	
_	90	(attempt\$3 with access\$3 with (device node) with (fault failure))	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/08/24 17:04
_	10	(unable with access\$3 with (device node) with (fault failure))	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/08/24 17:07
-	23	(unable with (access\$3 communicate) with (device node) with (fault failure))	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/08/24 17:08
_	17	(unable with communicate with (device node) with (fault failure))	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/08/24 17:14
-	1	(unable with communicate with (component) with (fault failure))	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/08/24 17:14
_	2	(unable with (communicate access\$3) with (component) with (fault failure))	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/08/24 17:15
-	11	<pre>(unable with (communicate access\$3) with (component switch OS) with (fault failure))</pre>	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/08/24 17:16
-	304	diagnostic with access\$3 with component	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/08/24 17:16
-	34	714/\$.ccls. and diagnostic with access\$3 with component	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/08/24 17:17
	7	714/\$.ccls. and diagnostic with (access\$3 adj2 component)	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/08/25 09:44
_	0	6701449.pn. and hearbeat	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2004/08/25 09:44
_	1	6701449.pn. and heartbeat	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2004/08/25 10:30
			DERWENT; IBM_TDB	